



EAT KT88 diamond, gold pin Reference audio valve matched quad set (4)

EAT KT88 M4

NZ\$1,995.00 set (incl. GST)

EAT's stated goal is to be a manufacturer and distributor for the highest quality vacuum tubes and analogue high-fidelity products.

The EAT KT88 tube is in a league of its own. This KT88 tube is available in factory-matched pairs & quartets. Its construction features include black plates, black metal base, and gold pins.

The EAT KT88 has an designed maximum anode dissipation rating of 35W and is recommended for use in the output stage of an a.f. amplifier. Two valves in class AB1 give a continuous output of up to 100W.

The KT88 is also suitable for use as a series valve in stabilised power supply.

Specifications

?Valve Type: *KT88 DIAMOND*

?Size – included socket: 5.2 x 12.5 cm / 2 x 4.9 inch

Characteristics:

?Plate dissipation (Max.): 40 W

?Grid dissipation (Max.) : 6 W

?Cooling: radiation

?Heater – Voltage: 6.3 V

?Heater – Current: 1.6 A

Maximum ratings:

?Anode voltage: 800 V

?Screen grid voltage: 600 V

?Va, g2: 600 V

?- Vgl: 200 V

?Pa: 35 W

?Pg2: 6 W

?Pa + g2: 40 W

?Ik: 230 mA

?Vh -k: 200 V

?Tbulb: 250 °C

Capacitances (measured on a cold unscreened valve)

?Triode connection

?Cgl -a, g2: 7.9 pF

?Cg1 -all less a, g2: 9.8 pF

?Ca, g2 -all less g1: 17 pF

?Tetrode connection

?Cg 1 -a: 1.3 pF

?Cg 1 -all less a: 17 pF

?Ca -all less g1: 12 pF

Push – Pull, Class AB 1, Cathode Bias, Ultra – Linear Connection (40% Tapping Points).



?Vag2 (b): 500 – 375 V
?Vag2 (o): 436 – 328 V
?Ia + g2 (o): 2 x 87 – 2 x 87 mA
?Ia + g2 (max. sig): 2 x 99 – 2 x 96 mA
?RL (a-a): 6 – 5 k Ohms
?Rk*: 2 x 600 – 2 x 400 Ohms
?- Vg1 (approx.): 52 – 35 V
?Pout : 50 – 30 W
?Dtot: 1,5 – 1 %
?I.M.D. : 4 – 3 %
?Wa + g2 (o): 2 x 38 – 2 x 28.5 W
?Wa + g2 (max. sin): 2 x 17 – 2 x 16 W
?V g1 – g1 ac: 104 – 71 V
?Zout: 4.8 – 4.5 k Ohms

*It is essential to use two separate cathode bias resistors.

I.M.D. intermodulation distortion measured using two input signals at 50 and 6000 Hz (ratio of amplitudes 4:1)

Push – Pull, Class AB 1, Cathode Bias, Triode connection.

?Vag2 (b): 400 – 485 V
?Vag2 (o): 349 – 422 V
?Ia + g2 (o): 2 x 76 – 2 x 94 mA
?Ia + g2 (max. sig): 2 x 80 – 2 x 201 mA
?RL (a – a): 4 – 4 k Ohms
?-Vg1 (approx.): 40 – 50 V
?Pout: 17 – 31 W
?Dout: 1.5 – 1.5 %
?I.M.D.: 5.6 – 5.6 %
?Wa + g2 (o): 2 x 26.5 – 2 x 40 W
?Wa + g2 (max. sin): 2 x 29 – 2 x 27 W
?V g1 – g1 ac: 78 – 114 V
?Rk: 2 x 525 – 2 x 525 Ohms
?Zout: 4.8 – 4.5 k Ohms

I.M.D. intermodulation distortion measured using two input signals at 50 and 6000 Hz (ration of amplitudes 4:1).

Review

Scot Markwell - *Scot Markwell*

EAT believes that its combination of like-minded people from several countries can virtually guarantee a satisfying musical/technical solution, one close to its ultimate reference: live acoustic concerts and hence the absolute sound. with the EAT KT-88s, their sound became much more involving, with even greater extension at the frequency extremes, and a greater sense of refinement in the whole presentation. Wide, wide dynamics were the order of the day, along with a finesse not usually associated with push-pull designs. The difference in these amps with the EAT tubes over the Chinese "stockers" was dramatic. now (with EAT KT88s) they had an extra measure of transparency, high-frequency extension, and a much tighter and well-defined midbass, with much more extended and controlled lower bass. Enough almost to defy logic. These tubes rule the Hurricane amps like nobody's business. They (EATS KT88s) are for people who want music reproduction that is closer both to what is actually on the recording and to what real music sounds like, these tubes are a must-hear.

Link

<http://www.audioreference.co.nz/product/eat-kt88-diamond-gold-pin-reference-audio-valve-matched-quad-set-4>